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Complete if Known Substitute for form 1449A/PTO 10/828,935 **Application Number** INFORMATION DISCLOSURE 04/21/2004 Filing Date STATEMENT BY APPLICANT First Named Inventor Gorenstein et al. 1639 Art Unit (Use as many sheets as necessary) T.D. Vessando Examiner Name UTMB:1024 Attorney Docket Number Sheet

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			U.S. PATENT	OCUMENTS	
Examiner Initials*	Cite No.	Document Number  Number - Kind Code <sup>2 (f Incom)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		FOREIG	N PATENT DOCU	MENTS		
Examiner Initials*	Cite No.	Foreign Patent Document  Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>6</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	70
TEN	110.	WO 00 47774 A1	08/17/2000	Janjic, et al.	O According a gardo Appeni	1
ř		WO 92 14842 A	09/03/1992	Toole, et al.		
11		WO 92 14843	09/03/1992	Toole, et al.		
7		WO 93 08296 A	04/29/1993	Hoke, et al.		
1	<u> </u>	WO 96 19572 A	06/27/1996	Hybridon		
.11		WO 96 41019 A1	08/17/2000	Janjic, et al.		T
V		WO 99 31275	06/24/1999	Gold, et al.		
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Transation is attached.
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Substitu	te for form 1449B/PTO			Complete if Known			
000300	10 10 10 10 10			Application Number	10/828,935		
INF	ORMATION DISC	a osi	IRF	Filing Date	04/21/2004		
	STATEMENT BY APPLICANT			First Named Inventor	Gorenstein et al.		
31/	AIEWENI DI AP	PLICA	414.1	Art Unit	1639		
	(Use as many sheets as nec	essary)		Examiner Name	T. D. Descendy		
Sheet	2	of	2	Attorney Docket Number	UTMB:1024		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
TOU		ANTSYPOVICH, ET AL. (1998) Cross-linked DNA duplexes: Exonuclease stability and interaction with the nucleic transcription factor of the κ light-chain enhancer (NF- κΒ).	
ſ		BIELINSKA, ET AL. (1990) Regulation of Gene Expression with Double-Stranded Phosphorothicate Oligonucleotides, Science, Vol. 250, pg. 997-1000.	
1		KHALED, ET AL. (1998) Use of Phosphorothioate-Modified Oligodeozynucleotides to inhibit NF- kB Expression and Lymphocyte Function, Clinical Immunology and Immunopathology, Vol. 86, No. 2, pp. 170-179.	
1		KING, ET AL., (1998) Novel Combinatorial Selection of Phosphorothioate Oligonucleotide Aptamers.  Biochemistry, 37, 16489-16493.	
		KUNSCH, ET AL. (1992) Selection of Optimal kB/Rel DNA-Binding Motifs: Interaction of Both Subunits of NF- kB with DNA is Required for Transcriptional Activation, <i>Molecular and Cellular Biology</i> , October 1992, Vol. 12, No. 10, p. 4412-4421.	
		LEBRUSKA, ET AL. (1999) Selection and Characterization of an RNA Decoy for Transcription Factor NF-κB <sup>†</sup> , <i>Biochemistry</i> , 38, 3168-3174.	
		MORISHITA, ET AL. (1997) In vivo transfection of cis element "decoy" against nuclear factor- kB binding site prevents myocardial infarction, <i>Nature Medicine</i> , Vol. 3, No. 8, p. 894-899.	
		NAKAMAYE, ET AL. (1988) Direct sequencing of polymerase chain reaction amplified DNA fragments through the incorporation of deoxynucleoside α-thiotriphosphates, <i>Nucleic Acids Research</i> , Vol. 16, No. 21.	
		SHARMA, ET AL. (1996) Transcription Factor Decoy Approach to Decipher the Role of NF- kB in Oncogenesis, Anticancer Research, 16:61-70.	
e		STEC, ET AL. (1997) Deoxyribonucleoside 3'-O-(2-Thio- and 2-Oxo-"spiro"-4,4-pentamethylene-1,3,2-oxathiaphospholane)s: Monomers for Stereocontrolled Synthesis of Oligo(deoxyribonucleoside phosphorothioate)s and Chimeric PS/PO Oligonucleotides <sup>§</sup> , J. Am. Chem. Soc., 120, 7156-7167.	
		UHLMANN, ET AL. (1997) Studies on the Mechanism of Stabilization of Partially Phosphorothioated Oligonucleotides Against Nucleolytic Degradation, Antisense & nucleic Acid Drug Development, 7:345-350.	
V.		ZON, GERALD (1988) Oligonucleotide Analogues as Potential Chemotherapeutic Agents. Pharmaceutical Research, Vol. 5, No. 9, pp. 539-549.	

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'Applicant's unique citation designation number (optional). 'Applicant is to place a check mark here if English language Translation is attached.

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## **ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

Electronic Version v18 Stylesheet Version v18.0

Title of Invention

Bead Bound Combinatorial Oligonucleoside

Phosphorothioate and Phosphorodithioate Aptamer Libraries

**Application Number:** 

10/272509- 10/828,935-

Confirmation Number: 8

8419

First Named Applicant:

**David Gorenstein** 

Attorney Docket Number: UTMB1013

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or 20030162216 ).pn.

## **US Patent Documents**

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
Thu	1	6544776	2003-04-08	Gold			
	2	6503715	2003-01-07	Gold			
	3	6458543	- 2002-10-01	Gold			
	4	6423493	2002-07-23	Gorenstein			
	5	6242246	2001-06-05	Gold			
	6	5874219	1999-02-23	Rava			
	7	5853984	1998-12-29	Davis			
	8	5804445	1998-09-08	Brasier			
	9	5795721	1998-08-18	Rabin			
	10	5763595	1998-06-09	Gold			·
	11	5734041	1998-03-31	Just			
	12	5705337	1998-01-06	Gold			
	13	5661134	1997-08-26	Cook			
	14	5660985	1997-08-26 <sup>-</sup>	Pieken			
	15	5639873	1997-06-17	Barascut			

16 5635488 1997-06-03 Cook 17 5620963 1997-04-15 Cook 18 5607923 1997-03-04 Cook 19 5602000 1997-02-11 Hyman 20 5599797 1997-02-04 Cook 21 5587361 1996-12-24 Cook 22 5576302 1996-11-19 Cook 23 5397698 1995-03-14 Goodman 24 5218088 1993-06-08 Gorensein

## **US Published Applications**

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
Par)	1	20030162216 .	2003-08-28	Gold			

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der the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known Substitute for form 1449A/PTO 10/272,509 Application Number INFORMATION DISCLOSURE Filing Date 10/16/2002 STATEMENT BY APPLICANT First Named Inventor Gorenstein et al. Art Unit 1645 39 (Use as many sheets as necessary) **Examiner Name** Sheet 2 **Attorney Docket Number** UTMB:1013

			U.S. PATENT	DOCUMENTS			
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where		
Initials*	No.1	Number - Kind Code <sup>2 (f known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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		FOREIG	N PATENT DOCU	IMENTS		
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	ļ	WO 99 31275 /	06/24/99	Gold, et al.		1
		WO 96 41019 A1 /	08/17/00	Janjic, et al.		1
		WO 96 19572 A	06/27/96	Hybridon		1
		WO 93 08296 A /	04/29/93	Hoke, et al.		1
		WO 92 14843 /	09/03/92	Toole, et al.		1
		WO 92 14842 A /	09/03/92	Toole, et al.		+
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Sheet 2 of

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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		ANTSYPOVICH, ET AL. (1998) Cross-linked DNA duplexes: Exonuclease stability and interaction with the nucleic transcription factor of the k light-chain enhancer (NF- kB).	
		BIELINSKA, ET AL. (1990) Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides, <i>Science</i> , Vol. 250, pg. 997-1000.	
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		KING, ET AL., (1998) Novel Combinatorial Selection of Phosphorothipate Oligor/bareotide Aptamers.  Biochemistry, 37, 16489-16493.	
		KUNSCH, ET AL. (1992) Selection of Optimal kB/Rel DNA Binding Motifs: Interaction of Both Subunits of NF- kB with DNA is Required for Transcriptional Activation, Molecular and Cellular Biology, October 1992, Vol. 12, No. 10, p. 4412-4421.	
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		NAKAMAYE, ET AL. (1988) Direct sequencing of polymerase chain reaction amplified DNA fragments through the incorporation of deoxynucleoside o-thiotriphosphates, <i>Nucleic Acids Research</i> , Vol. 16, No. 21.	
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		UHLMANN, ET AL. (1997) Studies on the Mechanism of Stabilization of Partially Phosphorothioated Oligonucleotides Against Nucleolytic Degradation, Antisense & nucleic Acid Drug Development, 7:345-350.	
		ZON, GERALD (1988) Oligonucleotide Analogues as Potential Chemotherapeutic Agents. Pharmaceutical Research, Vol. 5, No. 9, pp. 539-549.	

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